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## RAW SEQUENCE LISTING

DATE: 01/30/2001

PATENT APPLICATION: US/09/638,647A

TIME: 10:52:04

Input Set : A:\621761.app

Output Set: N:\CRF3\01302001\I638647A.raw

3 <110> APPLICANT: Stern, David  
 4 Yan, Shi Du  
 6 <120> TITLE OF INVENTION: A MODEL OF ALZHEIMER'S-TYPE PATHOLOGY DOUBLE TRANSGENIC  
 7 MICE: ABAD AND APP (MUTANT)  
 9 <130> FILE REFERENCE: 0575/62176  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/638,647A  
 12 <141> CURRENT FILING DATE: 2000-08-14  
 14 <160> NUMBER OF SEQ ID NOS: 7  
 16 <170> SOFTWARE: PatentIn Ver. 2.1  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 261  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: RAT  
 23 <400> SEQUENCE: 1  
 24 Met Ala Ala Val Arg Ser Val Lys Gly Leu Val Ala Val Ile Thr  
 25 1 5 10 15  
 27 Gly Gly Ala Ser Gly Leu Gly Leu Ser Thr Ala Lys Arg Leu Val Gly  
 28 20 25 30  
 30 Gln Gly Ala Thr Ala Val Leu Leu Asp Val Pro Asn Ser Glu Gly Glu  
 31 35 40 45  
 33 Thr Glu Ala Lys Lys Leu Gly Gly Asn Cys Ile Phe Ala Pro Ala Asn  
 34 50 55 60  
 36 Val Thr Ser Glu Lys Glu Val Gln Ala Ala Leu Thr Leu Ala Lys Glu  
 37 65 70 75 80  
 39 Lys Phe Gly Arg Ile Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val  
 40 85 90 95  
 42 Ala Ile Lys Thr Tyr His Glu Lys Lys Asn Gln Val His Thr Leu Glu  
 43 100 105 110  
 45 Asp Phe Gln Arg Val Ile Asn Val Asn Leu Ile Gly Thr Phe Asn Val  
 46 115 120 125  
 48 Ile Arg Leu Val Ala Gly Val Met Gly Gln Asn Glu Pro Asp Gln Gly  
 49 130 135 140  
 51 Gly Gln Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu  
 52 145 150 155 160  
 54 Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val  
 55 165 170 175  
 57 Gly Met Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg  
 58 180 185 190  
 60 Val Val Thr Ile Ala Pro Gly Leu Phe Ala Thr Pro Leu Leu Thr Thr  
 61 195 200 205  
 63 Leu Pro Asp Lys Val Arg Asn Phe Leu Ala Ser Gln Val Pro Phe Pro  
 64 210 215 220  
 66 Ser Arg Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Met Val  
 67 225 230 235 240  
 69 Ile Glu Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala  
 70 245 250 255  
 72 Ile Arg Met Gln Pro

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76 <210> SEQ ID NO: 2
77 <211> LENGTH: 261
78 <212> TYPE: PRT
79 <213> ORGANISM: Human
81 <400> SEQUENCE: 2
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83   1          5          10          15
85 Gly Gly Ala Ser Gly Leu Gly Leu Ala Thr Ala Glu Arg Leu Val Gly
86          20          25          30
88 Gln Gly Ala Ser Ala Val Leu Leu Asp Leu Pro Asn Ser Gly Gly Glu
89          35          40          45
91 Ala Gln Ala Lys Lys Leu Gly Asn Asn Cys Val Phe Ala Pro Ala Asp
92          50          55          60
94 Val Thr Ser Glu Lys Asp Val Gln Thr Ala Leu Ala Leu Ala Lys Gly
95   65          70          75          80
97 Lys Phe Gly Arg Val Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val
98          85          90          95
100 Ala Ser Lys Thr Tyr Asn Leu Lys Lys Gly Gln Thr His Thr Leu Glu
101          100          105          110
103 Asp Phe Gln Arg Val Leu Asp Val Asn Leu Met Gly Thr Phe Asn Val
104          115          120          125
106 Ile Arg Leu Val Ala Gly Glu Met Gly Gln Asn Glu Pro Asp Gln Gly
107          130          135          140
109 Gly Gln Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu
110 145          150          155          160
112 Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val
113          165          170          175
115 Gly Met Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg
116          180          185          190
118 Val Met Thr Ile Ala Pro Gly Leu Phe Gly Thr Pro Leu Leu Thr Ser
119          195          200          205
121 Leu Pro Glu Lys Val Cys Asn Phe Leu Ala Ser Gln Val Pro Phe Pro
122          210          215          220
124 Ser Arg Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Ala Ile
125 225          230          235          240
127 Ile Glu Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala
128          245          250          255
130 Ile Arg Met Gln Pro
131          260
134 <210> SEQ ID NO: 3
135 <211> LENGTH: 973
136 <212> TYPE: DNA
137 <213> ORGANISM: Human
139 <400> SEQUENCE: 3
140 tcccgtaggag tggccggcga caagatggca gcagcgtgtc ggagcgtgaa gggcctggtg 60
141 gcggtataaa ccggaggagc ctggggcctg ggcctggcca cggcggagcg acttgtaggg 120
142 cagggagcct ctgctgtgct tctggacctg cccaactcgg gtggggaggc ccaagccaag 180
143 aagttaggaa acaactgcgt ttgcgcccc gccgacgtga cctctgagaa gyatgtgcaa 240

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RAW SEQUENCE LISTING                      DATE: 01/30/2001  
 PATENT APPLICATION: US/09/638,647A              TIME: 10:52:05

Input Set : A:\621761.app  
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144 acagctcttg ctctagcaaa aggaagttt gcccgtgttg atgtagctgt caactgtgca 300
145 ggcacgcgcg tggctagcaa gacgtacaac ttaagaagg gccagaccca tacctlggaa 360
146 gacttcagc gagttcttga tgtgaatctc atgggcacct tcaatgtgat ccgcctggtg 420
147 qctggtgaga tgggccagaa tgaacpagac cagggaggcc aacgtgggtg catcatcaac 480
148 actgccagtg tggctgcctt cgagggtcag gttggacaag ctgcatactc tgcctccaa 540
149 gggggaatag tgggcatgac actgcccatt gctcgggac tggctcccat aggtatccgg 600
150 gtgatgacca ttgcccaggg tctggttgge accccactgc tgaaccaact cccagagaaa 660
151 gtgtgcaact tcttgccagg ccaagtgcct ttccctagcc gactgggtga ccctgctgag 720
152 tatgctcacc tcgtacaggg catcatcgag aaccatttcc tcaatggaga ggtcatccgg 780
153 ctggatgggg ccattcgtat gcagccttga agggagaagg cagagaaaac acacgtcct 840
154 ctgcccctcc ttccctggg gtactactct ccagtcttgg gaggaagccc agtagccatt 900
155 ttgtaactgc ctaccagtcg ccctctgtgc ctaataaagt ctctttttct cacagaaaaa 960
156 aaaaaaaaaa aaa 973

159 <210> SEQ ID NO: 4
160 <211> LENGTH: 20
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primers
167 <400> SEQUENCE: 4
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171 <210> SEQ ID NO: 5
172 <211> LENGTH: 19
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primers
179 <400> SEQUENCE: 5
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183 <210> SEQ ID NO: 6
184 <211> LENGTH: 30
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primers
191 <400> SEQUENCE: 6
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195 <210> SEQ ID NO: 7
196 <211> LENGTH: 29
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
202 PCR Primer
204 <400> SEQUENCE: 7
205 aaagaacttg taggttgat ttctgtacc 29

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VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/638,647A

DATE: 01/30/2001

TIME: 10:52:06

Input Set : A:\621761.app  
Output Set: N:\CRF3\01302001\I638647A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number